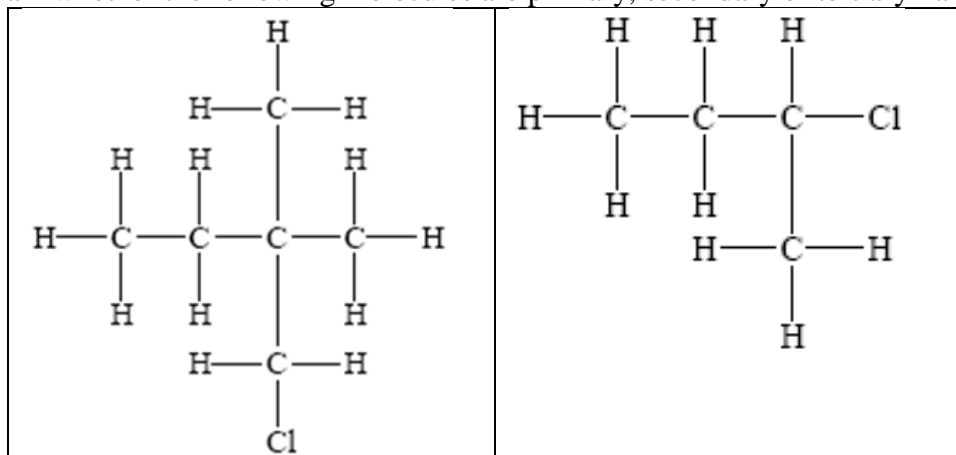


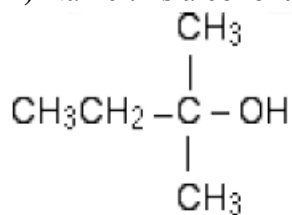
## Crystal ball questions on Primary, secondary and tertiary molecules

*All of the following questions have not (as yet!) appeared in the NCEA Level 2 Exams*

- 1) State and explain whether the following molecules are primary, secondary or tertiary halogenoalkanes.



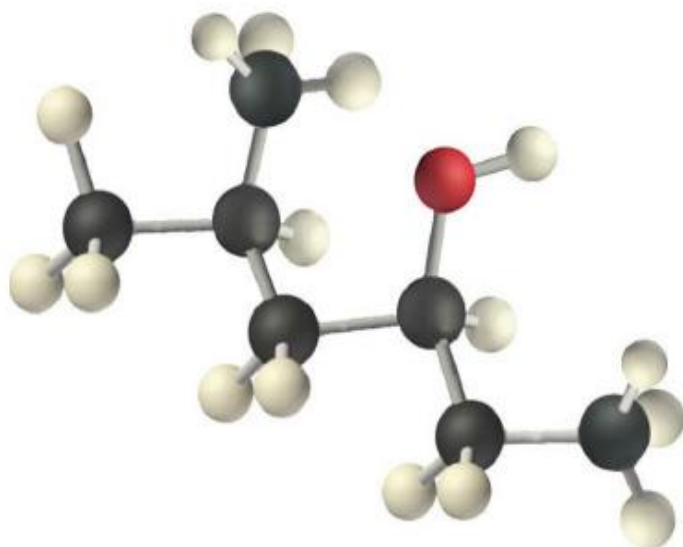
- 2) Name this alcohol and explain why it is classified as a “tertiary” alcohol



a tertiary alcohol

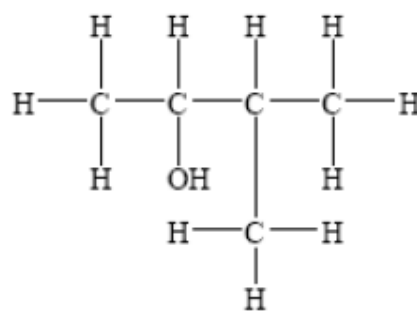
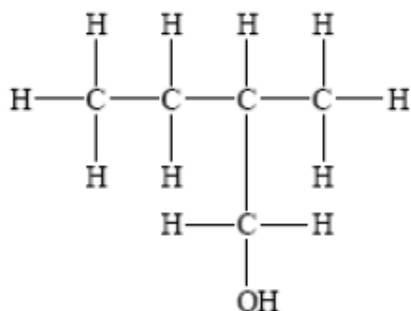
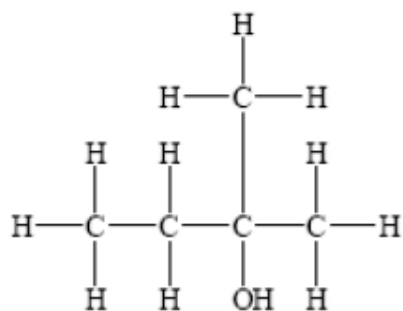
- 3) Organic molecules can be represented using molymods.

Name the molecule represented and describe it as primary, secondary or tertiary. The following colours represent specific atoms: carbon – black, hydrogen – white, oxygen – red.



- 4) Draw and name the isomers of  $\text{C}_3\text{H}_8\text{O}$  and describe them as primary, secondary or tertiary.

5) Classify the following alcohols as primary, secondary or tertiary.



6) Name and classify the following molecule as primary, secondary or tertiary.

